PTO/SB/08A (08-03)

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Substitute for form 1449/PTO	Complete if Known		
	Application Number	10/532,509	
INFORMATION DISCLOSURE	Filing Date	October 17, 2003 Ernest C. Chen	
STATEMENT BY APPLICANT (Use as many sheets as necessary)	First Named Inventor		
	Art Unit	2817	
	Examiner Name	To be determined Henry che	
Sheet 1 of 3	Attorney Docket Number	PD-202131	

<u> </u>	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
Hee		US-6,718,184	04-2004	Aiken et al.			
		US-5,819,157	10-1998	Ben-Efraim et al.			
		US-5,999,793	12-1999	Ben-Efraim et al.			
`\		US-6,297,691	10-2001	Anderson et al.			
		US-6,501,804	12-2002	Dietmar et al.			
		US-6,745,050	06-2004	Forsythe et al.			
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		US-5,625,640	04-1997	Palmer et al.			
		US-6,597,750	07-2003	Knutson et al.			
	<u> </u>	US-6,433,835	08-2002	Hartson et al.			
		US-4,800,573	01-1989	Cupo, Robert L.			
		US-6,266,534	07-2001	Raith et al.			
		US-5,467,197	11-1995	Hoff, Don G.			
		US-6,574,235	06-2003	Arslan et al.			
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H-c.		US-5,966,412	10-1999	Ramaswamy			

		FOR	EIGN PATENT	OCUMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
H- < ,		EP 0929164	07-1999	Societe Europeene des Satellites		
4. 6,		WO 02/073817	09-2002	Nokia Corporation		
H-€,		EP 0356096	02-1990	Meyers		↓
u-c.		EP 0238822	09-1987	NEC Corporation		<u>L</u>

Examiner Signature	Date Considered ///3/=6	
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERICE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO	Complete if Known		
INCORMATION DIGGLOCULES	Application Number	10/532,509	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Filing Date	October 17, 2003	
	First Named Inventor	Ernest C. Chen	
	Art Unit	2817	
	Examiner Name	To be determined Henry che	
Sheet 2 of 3	Attorney Docket Number	PD-202131	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
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•		US-5,966,186	10-1999	Shigihara et al.		
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		US-6,108,374	08-2000	Balachandran et al.		
	<u> </u>	US-6,140,809	10-2000	Doi		
		US-6,219,095	04-2001	Zhang et al.		
		US-4,039,961	08-1977	Ishio et al.		
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		US-3,383,598	05-1968	Sanders		
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		US-5,579,344	11-1996	Namekata, Minoru		
		US-5,121,414	06-1992	Levine et al.		
		US-6,144,708	11-2000	Maruyama, Hidenori	·	
V		US-6,055,278	04-2000	Ho et al.		
H.c.		US-6,330,336	12-2001	Kasama, Minoru		

Examiner Signature	Date Considered //	/13/06
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449/PTO	Complete if Known		
NEODIATION DIGGLOCUEE	Application Number	10/532,509	
INFORMATION DISCLOSURE	Filing Date	October 17, 2003	
STATEMENT BY APPLICANT (Use as many sheets as necessary)	First Named Inventor	Ernest C. Chen	
	Art Unit	2817	
	Examiner Name	To be determined Henry chee	
Sheet 3 of 3	Attorney Docket Number	PD-202131	

-	<i>t</i>	NON PATENT LITERATURE DOCUMENTS	,
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volumne-issue number(s), publisher, city and/or country where published.	Т
<i>U</i> _, < \		JANSSEN, G.J.M; SLIMANE, S.B.: "Performance of a Multiuser Detector for M-PSK Signals Based on Successive Cancellation", ICC 2001, 2001 IEEE International Conference on Communications, Conference Record, Helsinky, Finland, June 11-14, 2001, XP010552960	
ucc.		SLIMANE, S.B.; JANSSEN, G.J.M.: "Power Optimization of M-PSK Cochannel Signals for a Narrowband Multiuser Detector", 2001 IEEE Pacific Rim Conference on Communications, Computer and Signal Processing, Victoria, B.C., Canada, August 26-28, 2001, XP010560334	
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И-=,		MAZZINI, GIANLUCA: "Power Division Multiple Access", Universal Personal Communications, 1998, ICUPC 1998, IEEE 1998, International Conference on Florence, Italy, 5-9 October 1998, New York, NY, US, IEEE, US 5 October 1998 (1998 10-5), pages 543-546, XP010314962 ISBN: 0-7803-5106-1	
И-с.		SALEH, A.A.M. et al.: "Adaptive Linearization of Power Amplifiers in Digital Radio Systems", Bell System Technical Journal, American Telephone and Telegraph Co., New York, US, Vol. 62, No. 4, Part 1, 1 April 1983 (1983-04-01), pages 1019-1033, XP002028354	
U-c.		RAMCHANDRAN, KANNAN et al.: "Multiresolution Broadcast for Digital HDTV Using Joint Source/Channel Coding, IEEE, Vol. 11, No. 1, January 1993, pp. 6-22	

Examiner Signature	Date Considered	11/13/0	٠. (
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PTO/SB/08A (08-03)

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Substitute for form 1449/PTO	Con	Complete if Known		
INFORMATION DISCLOSURE	Application Number	10/532,509		
STATEMENT BY APPLICANT	Filing Date	April 25, 2005		
(Use as many sheets as necessary)	First Named Inventor	Ernest C. Chen		
(500 50 mail) (500 50 mail)	Art Unit	2817		
	Examiner Name	To be assigned - Henry chee		
Sheet 1 of 1	Attorney Docket Number	PD-202131		

	U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
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		FOR	EIGN PATENT	OCUMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
H ,		WO 99/20001	04-22-1999	Silberger et al.		
	*					

Examiner Signature	of co	Date Considered	3/06

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for PTO/SB/08A INFORMATION DISCLOSURE	Complete if Known			
INCOMINATION DISCLOSURE	Application Number	10/532,509		
STATEMENT BY APPLICANT	371(c) Filing Date	April 25, 2005		
STATEMENT DI AFFEIGANI	First Named Inventor	Ernest C. Chen		
	Art Unit	2817		
·	Examiner Name	MOTTOLA, Steven J. Henry char		
Date: March 13, 2006	•	3		
Sheet 1 of 1	Attorney Docket Number	PD-202131		

		· ·	J.S. PATENT DO	CUMENTS	
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appea
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		US-6,411,797	06-2002	Estinto, Eugene	
•		US-2002/0071506	06-2002	Lindquist et al.	
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		US-6,389,002	05-2002	Schilling, Donald L.	
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		US-2005/008100	01-2005	Chen, Ernest C.	
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		US-5,956,373	09-1999	Goldston et al.	
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		US-6,320,919	11-2001	Khyrallah et al.	,
		US-3,974,449	08-1976	Falconer, David Duncan	
		US-3,879,664	04-1975	Monsen, Peter	
./		US-4,253,184	02-1981	Gitlin et al.	
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V		US-6,775,521	08-2004	Chen, Yue	
H.c.		US-3,878,468	04-1975	Falconer et al.	

Examiner		Date	. 1 1 ,
Signature	9	Considered	11/12/06

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form PTO/SB/08B	Con	nplete if Known
INFORMATION DISCLOSURE	Application Number	10/532,509
STATEMENT BY APPLICANT	Filing Date	April 25, 2005
STATEMENT OF AFFEIGANT	First Named Inventor	Ernest C. Chen
	Art Unit	2817
	Examiner Name	MOTTOLA, Steven J. Henry che
Date: March 13, 2006		
Sheet 1 of 1	Attorney Docket Number	PD-202131

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volumne-issue number(s), publisher, city and/or country where published.	T
H.e.		MEYR, HEINRICH et al.; "Digital Communication Receivers: Synchronization, Channel Estimation, and Signal Processing"; 1998, John Wiley & Sons, Inc.; pages 212-213 and 217-218; XP002364874	
H-c.		MEYR, HEINRICH et al.; "Digital Communication Receivers: Synchronization, Channel Estimation, and Signal Processing"; 1998, John Wiley & Sons, Inc.; pages 610-612; XP002364876	
H. e.		FANT, T. et al.; "Fourth-Power Law Clock Recovery with Prefiltering"; Proceedings of the International Conference on Communications (ICC); Geneva; May 23-26, 1993; New York; IEEE; US; Vol. 3; 23 May 1993; pages 811-815 XP010137089, ISBN: 0-7803-0950-2; Section I, Introduction	

Examiner		Date	
Signature		Considered	11/12/06
		•	/ /

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERICE Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

Substitute for form 1449/PTO	Complete if Known		
INFORMATION DISCLOSURE	Application Number	10/532,509	
STATEMENT BY APPLICANT	Filing Date	October 17, 2003	
(Use as many sheets as necessary)	First Named Inventor	Ernest C. Chen.	
(coo do man, encere de mecessar,	Art Unit	2817	
	Examiner Name	MOTTOLA, Steven J. Henry chee	
Sheet 1 of 1	Attorney Docket Number	PD-202131	

			U.S. PATENT DO	CUMENTS	
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
H-= 1		US-4,637,017	01-13-1987	Assal et al.	
4-2.		US-5,940,025	08-17-1999	Koehnke et al.	

		FOR	EIGN PATENT	DOCUMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
H_ = 1		WO 01/80471	10-25-2001	DSPC Technologies, Ltd.		
U		WO 03/105375	12-18-2003	Hughes Electronics Corp.		

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volumne-issue number(s), publisher, city and/or country where published. Patent Abstracts of Japan; Vol. 015, No. 355 (E-1109): JP 03139027; Nippon	:
Patent Abstracts of Japan: Vol. 015, No. 355 (F-1109): JP 03139027: Nippon	T
Telegraph and Telephone Corporation; Publication date: 13 June 1991	
	<u> </u>

Examiner	Date	
Signature	Considered	11/13/26
		//3/38

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form PTO/SB/08A	Complete if Known		
INFORMATION DISCLOSURE	Application Number	10/532,509`	
STATEMENT BY APPLICANT	Filing Date	April 25, 2005	
SIMILMENT DI APPLICAN	First Named Inventor	Ernest Chen	
	Art Unit	2817	
	Examiner Name	MOTTOLA, Stoven J. Heny che	
Date: May 10, 2006			
Sheet 1 of 1	Attorney Docket Number	PD-202131	

	U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patenties or Applicant of Cited Document	Pages, Columns, Unes, Where Relevant Passages or Relevant Figures Appear
H- = :		US-6,426,822	07-30-2002	Winter et al.	

		FORE	IGN PATENT	DOCUMENTS	
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

Examiner Signature	-9	~	,	Date Considered	4/13/06
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Substitute for form PTO/SB/08A	Con	nplete if Known
INFORMATION DISCLOSURE	Application Number	10/532,509
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date	04-25-2005
	First Named Inventor	Ernest C. Chen
	Art Unit	2817
A SE	Examiner Name	MOTTOLA, Stevent . Henry char
Date: July 19, 2006		U
Sheet 1 of 3	Attorney Docket Number	PD-202131

	U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
U = .	· -	US-5,870,443	02-1999	Rahnema, Moe	
И <u>- с</u> .		US-2003/0138037	07-2003	Kaku et al.	
		US-2004/0110467	06-2004	Wang, Arthur W.	
		US-6,535,801	03-2003	Geier et al.	_
		US-6,325,332	12-2001	Cellier et al.	
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		US-5,995,832	11-1999	Mallinckrodt, Albert J.	
		US-2004/0146296	07-2004	Gerszberg et al.	
			07-2004	Jensen et al.	
		US-5,648,955	08-1989	Hosoda et al.	- · · · · · · · · · · · · · · · · · ·
		US-4,860,315		Belfield et al.	
		US-4,654,863	03-1987	Gardner, Wallace R.	
		US-5,229,765	07-1993	Chennakeshu et al.	-
	ļ <u>.</u>	US-5,285,480	02-1994		
		US-6,934,314	08-2005	Harles et al.	
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 	<u> </u>	US-5,111,155	05-1992	Keate et al.	
∤	ļ	US-6,307,435	10-2001	Nguyen et al.	
	ļ	US-5,970,098	10-1999	Herzberg, Hanan	
	ļ	US-6,125,148	09-2000	Frodigh et al.	
		US-6,008,692	12-1999	Escartin, Marko	
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	<u> </u>	US-5,581,229	12-1996	Hunt, Paul C.	
	<u> </u>	US-6,366,309	04-2002	Siegle, Gert	
		US-4,835,790	05-1989	Yoshida et al.	
		US-5,317,599	05-1994	Obata	•
		US-5,557,067	11-1996	Zimmerman	
		US-6,021,159	02-2000	Nakagawa	
		US-6,061,393	05-2000	Tsui et al.	
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		US-6,272,679	08-2001	Norin, John L.	
1/		US-6,212,360	04-2001	Fleming et al.	
H.C.		US-6,188,717	02-2001	Kaiser et al.	

Examiner Signature	 	Date Considered	11/13/06
			//-/

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Substitute for form PTO/SB/08A	Con	nplete if Known
INFORMATION DISCLOSURE	Application Number	10/532,509
STATEMENT BY APPLICANT	Filing Date.	04-25-2005
	First Named Inventor	Ernest C. Chen
(B JUL 3 1 2006)	Art Unit	2817
	Examiner Name	MOTTOLA, Stoven J. Henry chu
Date: July 19, 2006	,	
Sheet 2 of 3	Attorney Docket Number	PD-202131

	U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	•				
H-c.		US-6,141,534	10-2000	Snell et al.	
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		US-6,084,919	07-2000	Kleider et al.	
	1	US-4,896,369	01-1990	Adams et al.	
	1	US-6,892,068	04-2002	Karabinis et al.	
		US-5,848,060	12-1998	Dent	
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		US-5,199,047	03-1993	Koch, Wolfgang	
		US-5,088,110	02-1992	Bonnerot et al.	
		US-4,847,864	07-1989	Cupo, Robert L.	
		US-4,709,374	11-1987	Farrow, Cecil W.	
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		US-4,416,015	11-1983	Gitlin, Richard D.	
		US-4,384,355	05-1983	Werner, Jean-Jacques	
		US-4,213,095	07-1980	Falconer, David D.	
		US-RE 31,351	08-1983	Falconer, David D.	•
		US-6,429,740	08-2002	Nguyen et al.	
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		US-5,966,048	10-1999	Thompson	
		US-5,606,286	02-1997	Bains	
		US-5,221,908	06-1993	Katz et al.	
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		US-4,878,030	10-1989	Vincze	
		US-4,670,789	06-1987	Plume	
		US-4,647,873	03-1987	Beckner et al.	
		US-4,628,507	12-1986	Otani	
		US-4,500,984	02-1985	Shimbo et al.	
		US-4,283,684	08-1981	Satoh	
N		US-4,068,186	01-1978	Sato et al.	
Й-с.		US-2001/0024479	09-2001	Samarasooriya	

Examiner	Date	. / / .
Signature	Considered	11/13/06
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Substitute for form PTO/SB/08A	Complete if Known		
INFORMATION DISCLOSURE	Application Number	10/532,509	
STATEMENT BY APPLICANT	Filing Date	04-25-2005	
	First Named Inventor	Ernest C. Chen	
3 1 2006 (C)	Art Unit	2817	
	Examiner Name	MOTTOLA, Steven J. Henry che	
Date: PADEMARY July 19, 2006			
Sheet 3 of 3	Attorney Docket Number	PD-202131	

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
·	<u> </u>	Number-Kind Code	MM-DD-YYYY	<u> </u>	or Relevant Figures Appear		
		12					
He.	<u> </u>	US-5,732,113	03-1998	Schmidl et al.			
•1		US-5,793,818	08-1998	Claydon et al.			
• •		US-5,828,710	10-1998	Beale			
• •		US-6,018,556	01-2000	Janesch et al.			
٠,		US-6,128,357	10-2000	Lu et al.			
11		US-6,411,659	06-2002	Liu et al.			

	FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T		
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INFORMATION DISCLOSURE	Complete if Known				
INCORPORATION DISCLOSURE	Application Number	10/532,509			
STATEMENT BY APPLICANT	Filing Date	10-17-2003			
STATEMENT DI AFTERNANT	First Named Inventor	Ernest C. Chen			
	Art Unit	2817			
	Examiner Name	Mottola, Steven J. Henry choe			
Date: September 12, 2006					
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